

ABSTRACT

A method and apparatus for supporting a variety of service types in a CDMA2000 1xEV-DO mobile telecommunication system for high-speed data service in a radio communication environment. To receive multiple services according to a plurality of service types, an AT establishes a connection for the data service with a PDSN and configures a session for setting the plurality of service types having different traffic characteristics by the connection. The AT generates a plurality of service instances for the different service types according to the session configuration. It then exchanges data streams with the PDSN in a service instance corresponding to a currently provided service among the plurality of service instances.